



MISSISSIPPI DEPARTMENT OF WILDLIFE,
FISHERIES, AND PARKS
MISSISSIPPI COOPERATIVE DEER MANAGEMENT ASSISTANCE
PROGRAM



Yazoo NWR Checklist for 2012

Data collection and return

Data returned on time	<u>No</u>
Jawbones cleaned and dried properly	<u>Yes</u>
Data sheets completed properly	<u>No</u>
Data sheets clean and legible	<u>No</u>
All jawbones collected and returned	<u>No</u>

Data collection problems have
already been addressed.

Be sure to attached jawbone tags
securely to each jaw. Several came
loose in shipping.

Harvest Summary

Bucks - Harvested 42- No buck fawns reported. Good job!

Total buck fawns harvested	0 (0%)	2011	2007-2011
Average wt of 1 1/2	<u>117</u>	↓ (138)	↓ (137)
Average wt of 2 1/2	<u>181</u>	↑ (175)	↑ (180)
Average wt of 3 1/2	<u>204</u>	↓ (205)	↔ (204)
Average wt of 4 1/2+	<u>219</u>	↓ (224)	↓ (224)
Average antler index 1 1/2	<u>29</u>	↔ (29)	↑ (26)
Average antler index 2 1/2	<u>54</u>	↑ (51)	↔ (54)
Average antler index 3 1/2	<u>60</u>	↓ (62)	↓ (61)
Average antler index 4 1/2+	<u>65</u>	↓ (68)	↓ (70)

Does - Recommended -100 - Harvested 31- Antlerless harvest continues to be less than recommended.

% of harvest does 3 1/2+ yr old	50%	2011	2007-2011
Average wt of 1 1/2	<u>96</u>	↑ (90)	↓ (98)
Average wt of 2 1/2	<u>119</u>	↓ (123)	↓ (123)
Average wt of 3 1/2+	<u>129</u>	↓ (130)	↑ (128)
Lactation of 1 1/2	<u>0</u>	↔ (0)	↓ (33)
Lactation of 2 1/2	<u>0</u>	↓ (43)	↓ (50)
Lactation of 3 1/2+	<u>30</u>	↓ (66)	↓ (51)

2013 - 2014 Harvest Recommendations:

This year's antlerless harvest was well below what was recommended, and I have concerns of whether 22 does on 13,000 acres is a representative sample. The doe age structure continues to be heavily skewed toward older age class does, with 50% of this year's harvest being 3-years old or older. The goal of population management is to get this percentage to 40 or less. Once the population is reduced to this level, antler production, body condition, and fawn production are maximized.

Body weights are about equal to the Delta average or slightly below. Lactation data appears to have been subject extensive data collection error, which is typical of public lands. The number of doe fawns and yearlings in the harvest suggests adequate fawn recruitment. It is unlikely that this herd will ever reach maximum productivity again under the current hunting regime. It would require aggressive harvest to bring this herd into balance with what the habitat can sustain and bring the doe age structure to 40% 3-years plus. More hunting opportunity is needed to improve herd health and habitat quality. An annual harvest of **130 does** would likely maintain the current density and herd health.

Buck harvest continues to be focused on 2 & 3-year old bucks with 62% of the buck harvest being 3-years old or younger. This harvest strategy is biologically sound and fun, as long as the limitations are realized. The production of large antlered bucks will be limited because very few bucks are making it to 4, 5, and 6 years of age. As long as this limitation is understood, I have no problem with the current harvest. The harvested 2 & 3-year olds had great potential if allowed to reach maturity (Table 9). Reduced antler qualities in recent years are due to only mediocre bucks being allowed to reach maturity. If the best bucks live to 4-years of age, antler qualities would be similar to historic values. This reduction has nothing to do with the historic influences of the 4-point rule. However, if hunters are pleased with the current buck quality, then continue using the current harvest strategy. If you decide that you want to target larger antlered bucks, please feel free to contact me.

DMAP Harvest Report

Date 8/5/2013

*** YAZOO NWR ***

Club Number 'MS-5623'

2012 Season

County = Washington
Soil Region = Delta
State = MS

Biologist = Lann Wilf

Acres = 13000
Years on DMAP = 5
% Data Collected = 74

Table 1. Harvest Summary

	Number Harvested	Acres/ Deer Harvested
Bucks	42	310
Does	31	419
Totals	73	178

Table 2. Harvest History

	2012	2011	2010	2009	2008	D-WMA 2011	Club Avg
Acres	13000	13000	13000	13000	13000	177119	13000
Total Deer	73	91	77	67	112	1235	84
Bucks	42	47	34	41	77	558	48
Does	31	44	43	26	35	677	36
Acres/Deer	178	143	169	194	116	143	155
Bucks	310	277	382	317	169	317	270
Does	419	295	302	500	371	262	363

Table 3. Age Distribution

	Bucks		Does	
	Num	%	Num	%
Age				
0.5	0	0	2	9
1.5	2	6	3	14
2.5	9	28	6	27
3.5	11	34	4	18
4.5	3	9	3	14
5.5	5	16	1	5
6.5	2	6	2	9
7.5	0	0	1	5
8.5+	0	0	0	0
Totals	32		22	

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Table 4. Statistics for Doe Harvest

Age	Number Harvested	Average Live Weight	Percent Lactating
0.5	2	58	0
1.5	3	96	0
2.5	6	119	0
3.5	4	126	25
4.5	3	129	33
5.5	1	132	0
6.5	2	132	100
7.5	1	132	0
8.5+	0	0	0
Totals	22	115	

Table 5. Doe Harvest History

	2012	2011	2010	2009	2008	D-WMA 2011	Club Avg
Does	22	41	43	26	34	677	33
Acres/Doe	591	317	302	500	382	262	392
Doe Age-Wgt							
% 0.5	9	10	12	0	3	10	7
% 1.5	14	2	7	15	9	15	8
% 2.5	27	17	23	31	32	19	25
% 3.5+	50	71	58	54	56	38	59
Wght 0.5	58	69	79	0	63	75	71
Wght 1.5	96	90	92	101	110	112	98
Wght 2.5	119	123	123	125	121	119	123
Wght 3.5+	129	130	130	130	123	127	128
% Lactation							
1.5	0	0	0	0	33	7	7
2.5	0	43	44	38	75	45	42
2.5+	19	61	47	38	59	53	49
3.5+	30	66	48	38	53	57	51

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Table 6. Statistics for Yearling Bucks

	Number	Percent	Avg. Live Weight	Average Points
Spikes	1	50	92	2.0
Forks	1	50	142	8.0
Totals	2			

Table 7. Buck Statistics

Age	Live Weight		Points		Base		Length		Spread	
	Num	Avg	Num	Avg	Num	Avg	Num	Avg	Num	Avg
0.5	0	0	0	0.0	0	0.0	0	0	0	0.0
1.5	2	117	2	5.0	2	2.3	2	8.6	2	8.1
2.5	9	181	9	8.1	9	4.1	9	16.1	9	14.2
3.5	11	204	11	7.9	11	4.2	11	17.7	11	16.3
4.5	3	212	3	9.7	3	4.7	3	15.2	3	17.8
5.5	5	228	5	8.4	5	4.9	5	20.2	5	17.3
6.5	2	209	2	7.5	2	4.6	2	20.4	2	16.5
7.5	0	0	0	0.0	0	0.0	0	0	0	0.0
8.5+	0	0	0	0.0	0	0.0	0	0	0	0.0

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Table 8. Buck Harvest History (All Bucks)

	2012	2011	2010	2009	2008	D-WMA 2011	Club Avg
Bucks	32	42	33	39	67	558	43
Acres/Buck	406	310	394	333	194	317	305
% .5 Bucks	0	10	3	3	0	2.51	2.82
# .5 Bucks	0	4	1	1	0	14	1.2
Avg Weight	0	79	71	81	0	79	78
% 1.5 Bucks	6	19	9	36	22	16	19.7
# 1.5 Bucks	2	8	3	14	15	91	8.4
% Spikes	50	57	100	71	20	57	51
Avg Weight	117	138	141	131	137	135	134
Avg Points	5.0	3.0	2.0	2.4	4.7	3	3
Avg Base	2.3	2.4	2.6	2.2	2.6	2.3	2.4
Avg Length	8.6	9.1	5.4	5.9	10.1	6.9	8.0
Avg Spread	8.1	6.9	5.0	5.1	7.8	6.5	6.6
% 2.5 Bucks	28	12	24	26	28	19	23.9
# 2.5 Bucks	9	5	8	10	19	105	10.2
Avg Weight	181	175	188	178	178	166	180
Avg Points	8.1	7.0	7.4	6.0	7.5	7	7
Avg Base	4.1	2.9	4.3	3.6	3.7	3.5	3.7
Avg Length	16.1	15.9	18	15.2	16.4	15.5	16.3
Avg Spread	14.2	12.9	14.6	12.5	14.4	13.1	13.9
% 3.5 Bucks	34	31	33	18	19	23.5	26
# 3.5 Bucks	11	13	11	7	13	131	11
Avg Weight	204	205	211	199	202	190	205
Avg Points	7.9	7.8	7.4	6.2	7.8	8	8
Avg Base	4.2	4.1	4.5	4.2	4.2	4.1	4.3
Avg Length	17.7	18.8	18.9	18	18.5	18.1	18.5
Avg Spread	16.3	16.4	15.6	15.9	15.8	15.1	16.0
% 4.5+ Bucks	31	29	30	18	30	18	27.7
# 4.5+ Bucks	10	12	10	7	20	100	11.8
Avg Weight	219	224	226	223	221	214	222
Avg Points	8.6	8.0	9.6	9.4	7.7	8	8
Avg Base	4.7	4.7	5.1	4.9	4.7	4.6	4.8
Avg Length	18.7	20.3	21	21.1	21.1	20.2	20.5
Avg Spread	17.3	16.7	17.7	17.2	17.8	16.9	17.4

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Table 9. Estimated B&C Score

Age	Num	Estimated Non-typical B&C Score	Estimated Non-typical B&C Score at Maturity Minimum	Estimated Non-typical B&C Score at Maturity Maximum
2.5	9	99 5/8	129 3/8	162 0/8
3.5	11	111 3/8	122 3/8	141 7/8
4.5	3	109 3/8	111 5/8	119 4/8
5.5+	7	127 0/8	127 0/8	127 0/8

Table 10. Top Five Bucks

Rank	Estimated Non-typical B&C Score for Yazoo NWR		2011 Estimated Non-typical B&C Score for Delta	
	Score	Age	Score	Age
1	139 7/8	4.5	184 2/8	4.5
2	137 1/8	5.5	169 3/8	4.5
3	132 1/8	4.5	163 0/8	3.5
4	131 5/8	5.5	162 4/8	5.5
5	128 7/8	5.5	156 5/8	4.5

Report prepared by Lann Wilf

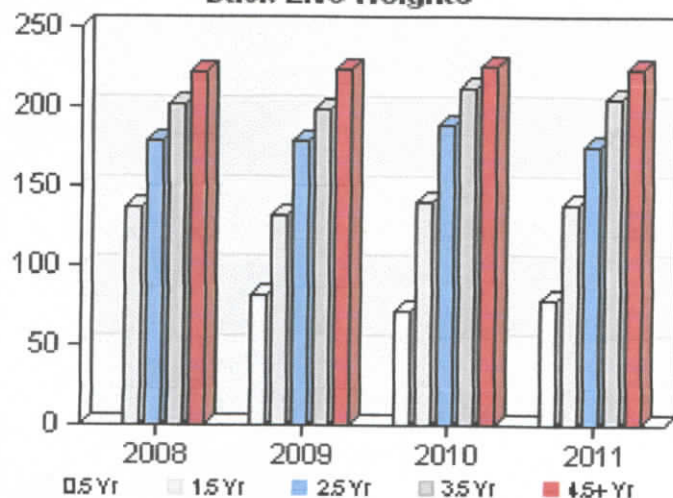
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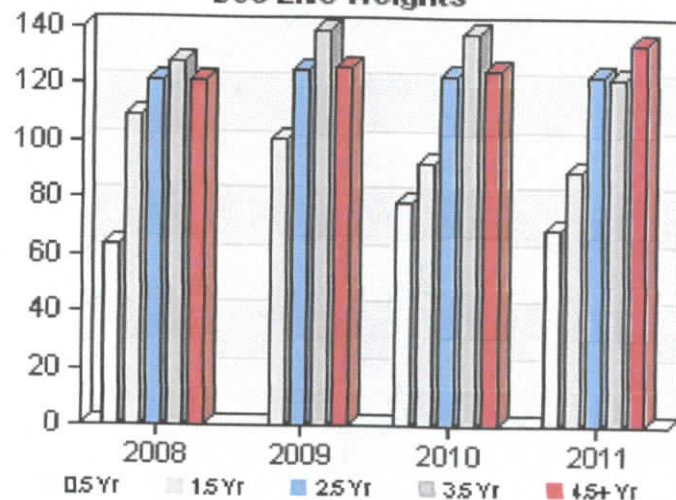
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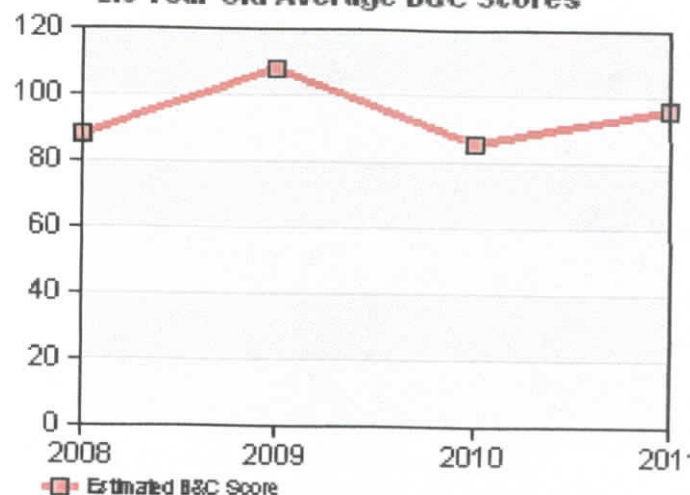
Buck Live Weights



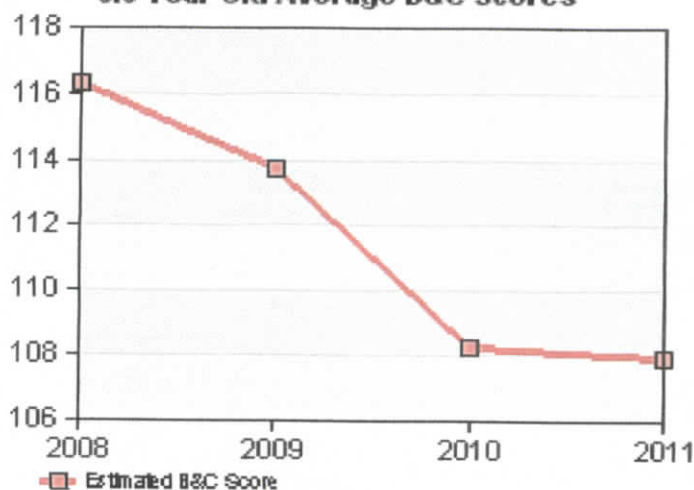
Doe Live Weights



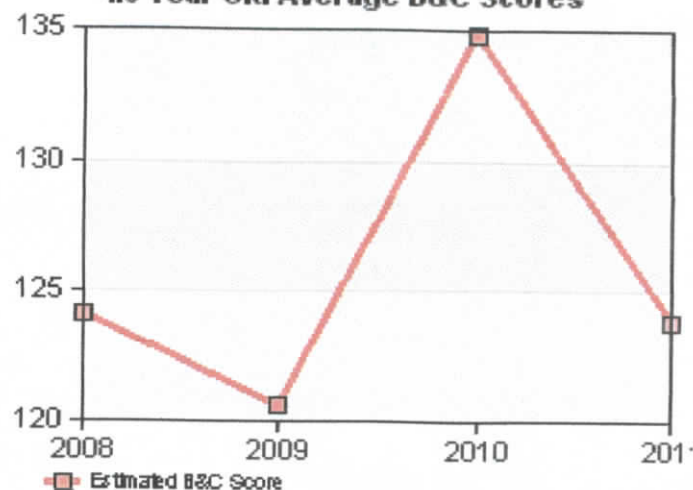
2.5 Year Old Average B&C Scores



3.5 Year Old Average B&C Scores



4.5 Year Old Average B&C Scores



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